

Capture One

THE PROFESSIONAL CHOICE IN IMAGING SOFTWARE



Release Notes

PHASE**ONE**

Capture One 7.1.6 Release Notes

Capture One 7 is a raw converter and workflow software which enables photographers to reduce the time and effort required to deliver stunning ready-to-use images with excellent color and detail.

Capture One 7 is designed to create the best image quality on the market and holds a series of easy-to-use tools created to match the professional photographer's daily workflow.

Capture One 7 is made by Phase One, the World's leading manufacturer of high-end digital camera systems, in collaboration with the World's leading professional photographers.

Capture One 7 comes in three versions: Pro, DB and Express.

Highlights, version 7.1.6

This is a service release providing support for a large number of new cameras and bug fixes.

Bug fixes

- Basic support for App Nap on OS X10.9.
- Fixed an issue on Mac with ratings being lost when upgrading process engine.
- Fixed an issue on Mac with renaming using image date not respecting time zones.
- Fixed an issue on Mac concerning sorting of non color tagged images.
- Fixed an issue so that variants no longer shown due to filtering are deselected.
- Fixed a few issues relating to live view.
- Made some cosmetic improvements to live view.

Camera tethered support

- Canon 70D.

Camera file support

- Canon 70D, 100D/Rebel SL1, G16 and S120.
- Fujifilm X-E2.
- Leica X2 and V-Lux 4.
- Nikon D610, D5300, DF, 1 AW1, P330, P7800 and P7700.
- Olympus E-M1.
- Panasonic GX7 (preliminary), FZ72, FZ150, FZ200 and LF1.
- Pentax K50, Q10 and Q7.
- Sony A7R, A7, RX1R (improved) and RX10.

Lens support

- Nikon AF Nikkor 35mm f/2D, AF-S NIKKOR 24-85mm f/3.5-4.5G ED VR, AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR and AF-S VR Zoom-Nikkor 70-300mm f/4.5-5.6G IF-ED.
- Nikon 1 NIKKOR 11-27.5mm f/3.5-5.6 and NIKKOR VR 10-30mm f/3.5-5.6.
- Olympus M.ZUIKO DIGITAL ED 12-40mm 1:2.8.
- Panasonic LUMIX G 14mm F2.5 ASPH, LUMIX G 20mm F1.7 ASPH, LUMIX G VARIO 14-42 f3.5-5.6 II ASPH. MEGA O.I.S. and LUMIX G X VARIO 12-35mm F2.8 ASPH. POWER O.I.S.
- Sony 50mm F1.4 (SAL50F14).
- Sony E PZ 16-50 mm F3.5-5.6 OSS (SELP1650).

Highlights, version 7.1.5

This is a service release providing additional OS support and few bug fixes.

OS support

- Mac OS X 10.9 (App Nap must be disabled). Knowledge base article <http://www.phaseone.com/Search/Article.aspx?articleid=1257&languageid=1>
- Windows 8.1

Bug fixes

- Fixed an issue with Chinese folder names on Mac.
- Fixed a Windows stability issue on certain hardware/software configurations
- Fixed a few additional issues

Highlights, version 7.1.4

This is a service release providing a few functionality tweaks, additional camera support, additional lens support and bug fixes.

Functionality

- Import of Adobe Lightroom catalogs on both Mac and Windows (still beta).
- Spot tool reintroduced in Express.
- Option to disable default lens correction.

Bug fixes

- Fixed a few tethered stability issues.
- Fixed a number of other stability issues.
- Fixed a number of LCC issues some related to EIP.
- Fixed some issues related to sorting.
- Fixed a large number of minor issues across the board.

Camera support

- Tethered support for Nikon D7100 and D5200.
- File support for Fujifilm X-M1.
- File support for Olympus PEN E-P5.
- File support for Ricoh GR
- File support for Sony Cyber-shot DSC-RX1R and DSC-RX100 II.

Lens support

- Phase One MF 120mm f/4 Macro.
- Schneider Kreuznach 2x Teleconverter with Phase One Digital AF 150mm f/2.8 IF.
- Schneider Kreuznach 2x Teleconverter with Schneider Kreuznach LS 240mm f/4.5 and LS 150mm f/3.5.
- Schneider Kreuznach 2x Teleconverter with Mamiya Sekor LS 240mm f/4.5, Sekor LS 150mm f/3.5 and Sekor AF 150mm f/2.8 IF D
- Mamiya Sekor 120mm f/4.0 AF Macro, Sekor 120mm f/4.0 MF Macro, Sekor LS 240mm f/4.5, A 200mm f/2.8 APO, A 300mm f/2.8 APO, A 500mm f/4.5 APO.
- Canon EF 70-200mm f/2.8L IS II USM.
- Leica 50mm f/2 Summicron-M.
- Nikon AF-S NIKKOR 17-35mm f/2.8 ED, AF-S NIKKOR 28-70mm f/2.8D IF-ED, Nikon AF NIKKOR 28-105mm f/3.5-4.5 D IF, Nikon AF NIKKOR 35-70mm f/2.8D, Nikon AF-S NIKKOR 70-200mm f/4G ED VR, Nikon AF NIKKOR 20mm f/2.8D, Nikon AF-S NIKKOR 24mm f/1.4G ED.
- Olympus M.ZUIKO DIGITAL ED 75-300mm 1:4.8-6.7.
- Pentax SMC-DA 15mm F4 AI Limited, SMC-DA 21mm F3.2 AI Limited, SMC-FA 43mm F1.9 Limited, SMC-DA 70mm F2.4 Limited, SMC-D FA 100mm F2.8 WR.
- Sigma 19mm f2.8 EX DN (Sony E).
- Nikon COOLPIX A.
- Sony Cyber-shot DSC-RX1R, DSC-RX100 II.

Highlights, version 7.1.3

This is a service release providing additional camera support and bug fixes.

Importing

- Import of Adobe Lightroom catalogs on Mac (beta).

Performance

- Faster CPU based processing and adjustment frame rates in a number of cases.
- A number of other performance improvements across the board.
- Progress bars for some blocking potentially long lasting operations.

Bug fixes

- Fixed a number of stability issues when shooting tethered.
- Fixed a stability issue sometimes occurring if quitting shortly after launch on Mac.
- Fixed a number of general stability issues
- Fixed a number of other bugs.

Camera support

- Tethered USB support for Phase One IQ backs.
- Tethered USB support for Leaf Credo backs.
- File support for Canon 1D C.
- File and tethered support for Canon 700D/Rebel T5i and 100D/Rebel SL1.
- File support for Nikon V2, J3, S1 and Coolpix A.
- File support for Leica X Vario.
- File support for Panasonic DMC-G6 and DMC-GF6.
- File support for Samsung NX300.
- File support for Sony SLT-A58 and NEX-3N.
- Support for CinemaDNG.

Lens support

- Canon EF 24-70mm f/4L IS USM, EF 20mm f/2.8 USM and EF 35mm f/1.4L USM.
- Nikon AF-S NIKKOR 28-300mm f/3.5-5.6G ED VR.
- Olympus M.ZUIKO DIGITAL ED 9-18mm 1:4.0-5.6, M.ZUIKO DIGITAL ED 12-50mm 1:3.5-6.3 EZ, M.ZUIKO DIGITAL 14-42mm 1:3.5-5.6 II R, M.ZUIKO DIGITAL ED 12mm 1:2.0, M.ZUIKO DIGITAL ED 17mm 1:1.8, M.ZUIKO DIGITAL 17mm 1:2.8 Pancake, M.ZUIKO DIGITAL 45mm 1:1.8, M.ZUIKO DIGITAL ED 60mm 1:2.8 Macro, M.ZUIKO DIGITAL ED 75mm 1:1.8.
- Fixed lens cameras: Canon PowerShot G15, Canon PowerShot S100/S110, Olympus XZ-2, Olympus XZ-10, Sony RX-1 (Carl Zeiss Sonar T* 2/35), Sony RX100.
- Lens correction is enabled for fewer lenses by default.

Highlights, version 7.1.2

This is a service release providing additional camera support and bug fixes.

Important notes

- Catalogs and sessions opened in Capture One 7.1.2 cannot be used by earlier versions of the application. Back up the relevant catalogs and sessions if the ability to go back to 7.1.1 is required.

Performance

- Significantly faster multithreaded JPEG file writing.

Camera support

- File support for Fuji X100S (preliminary).
- File support for Olympus XZ-10 (preliminary).
- Improved image quality for Phase One IQ260.
- Improved image quality for Pentax K-01 and K-30.

Bug fixes

- Fixed a number of general stability issues.
- Fixed an issue on Mac where deleting variants could affect layers.
- Fixed an issue on Mac where renaming of files would not rename the associated XMP file.
- Fixed an issue on Mac that in rare cases could cause lens adjustments to be lost.
- Fixed a number of Live View issues on Mac.
- Fixed a number of OpenCL related issues.
- Fixed a camera reconnection issue.
- Fixed a number of issues related to the adjustments clipboard.
- More than 100 other bug fixes and improvements.

Highlights, version 7.1.1

This is a service release providing additional camera support and bug fixes.

Camera support

- File and tethered support for Phase One IQ280, IQ260 and Phase One IQ260 Achromatic (all preliminary).
- File support for Fuji X-S1 and X20 (both preliminary).
- File support for Leica M Typ 240, M Typ 220 and M-Monochrom (preliminary).
- File support for Nikon D5200 and D7100 (both preliminary).
- File support for Panasonic DMC-G5 and DMC-GF5 (both preliminary).
- File support for Pentax MX-1 (preliminary)
- Support for Linear DNG files (preliminary)

Bug fixes

- Fixed an issue with renaming inside catalog images on Mac.
- Fixed some issues with sessions on Mac.
- Fixed an issue requiring restart before the location of renamed files would show correctly on Mac.
- Fixed an issue with processing to JPEG2000 on Windows.
- Fixes some issues with importing on Mac.
- Fixed a few issues with keywording on both platforms.
- Fixed a number of stability and performance issues.

Highlights, version 7.1

This release provides new features, improvements and bug fixes.

Express version

This release introduces an Express version of Capture One that has a scaled down but still very powerful feature set, in particular for those not shooting tethered. The Express version supports the use of a single catalog, but allows older Express libraries to be migrated and sessions to be imported.

Features

- Import of sessions into catalogs. A session will be imported as a project.

Bug fixes

- Improved support for tethering with Canon on OS X 10.8.x and Mac OS X 10.7.5.
- Fixed a memory leak on Windows.
- Fixed some issues with sessions on Mac.
- Fixed an issue with setting WB on digital backs from the software on Mac.
- Fixed a number of issues with sorting on Mac.
- Fixed an issue with reordering of local adjustments layers on Mac.
- Fixed a number of other issues on both Mac and Windows.

System requirements

Capture One may run on other and older equipment than what's listed below but to ensure the best possible results we recommend that your computer conforms to the following specifications:

Microsoft® Windows® minimum requirements

- Intel Core 2™ Duo or better.
- 4 GB of RAM
- 10 GB of free hard disk space
- Calibrated color monitor with 1280 x 800, 24 bit resolution at 96dpi screen ruling
- Windows Vista® SP2 64bit, Windows 7® SP1 64bit, Windows 8.1® 64bit
- Microsoft® .NET Framework version 4.0 (will be installed if not present)
- A PDF reader is needed to read the Release Notes
- Flash is required to view the intro video
- An Internet connection when activating Capture One

Apple® Macintosh® minimum requirements

- Intel Core 2™ Duo or better.
- 4 GB of RAM
- 10 GB of free hard disk space
- Calibrated color monitor with 1280 x 800, 24 bit resolution at 96dpi screen ruling
- OS X 10.9, 10.8.5, Mac OS X 10.7.5 or later. Mac OS X 10.6.8 is supported but not recommended.
- Flash is required to view the intro video
- An Internet connection when activating Capture One

Recommended system requirements

Working with high resolution camera systems, doing certain types of adjustments or doing many things simultaneously may put too much pressure on a minimum requirements system to work properly. In such cases and to optimize performance, please follow the recommendations below:

- OS X 10.9, 10.8.5, Mac OS X 10.7.5 or later on Mac
- Use processors with multiple cores, e.g. Intel Core i7™ or better
- Have 16 GB of RAM or more
- Leave plenty of hard disk space free for your images
- A fast hard disk e.g. a Solid State Disk (SSD)
- A fast Graphics card from NVIDIA or AMD, e.g. AMD Radeon 7950 (Mac) / 7970 (Win), NVIDIA GTX 680 or Quadro K5000, with updated drivers and a minimum of 2GB RAM

Installation

Capture One is compatible with previous 6.x, 5.x and 4.x versions.

If you upgrade from any Capture One 6, Capture One 5 or Capture One 4 version the settings will be migrated. If you upgrade from any version of Capture One 3, the original settings cannot be reused.

If you want to keep your existing versions of Capture One 4, Capture One 5 or Capture One 6 you can install this newer version of Capture One 7 in a different location. However, it is generally recommended that you only install one version of Capture One.

Install on Windows

Capture One includes an easy-to-use installer that will install all the software you need to run the application on a Windows based computer.

To install the software, please follow the procedure below:

1. Load the Capture One CD, or download the application from the Phase One website:
<http://www.phaseone.com>
2. Run the executable software install file.
3. Read and accept the license agreement when presented.
4. Follow the on-screen instructions to complete the installation.

Install on OS X

Capture One includes an easy-to-use installer that will install all the software necessary to run the application on OS X.

To install the software, please follow the procedure below:

1. Load the Capture One CD, or download the application from the Phase One website:
<http://www.phaseone.com>
2. Open the Capture One disk image.
3. Read and accept the license agreement when presented.
4. Drag the Capture One icon to the Applications folder.
5. Start the Capture One application from your Applications folder.

In addition Leaf and Mamiya DM Back users should install specific Leaf drivers before connecting their back by selecting Install Leaf Drivers from the Capture One menu in the application. We recommend that you Quit Capture One and restart the computer after the installation.

RAW file support

Capture One DB supports RAW files from the following digital backs/cameras:

Phase One:	IQ280, IQ260, IQ260 Achromatic, IQ180, IQ160, IQ160 Achromatic, IQ140, P65+, P40+, P45+, P30+, P21+, P25+, P20+, Achromatic+, P45, P30, P25, P21, P20, H 25, H 20, H 101, H 10, H 5, LightPhase.
Mamiya:	DM56, DM40, DM33, DM28, DM22, M31, M22, M18.
Leaf:	Credo 80, Credo 60, Credo 40, Aptus-II 12R, Aptus-II 12, Aptus-II 10R, Aptus-II 10, Aptus-II 8, Aptus-II 7, Aptus-II 6, Aptus-II 5, AFi-II 12, AFi-II 10, AFi-II 7, AFi-II 6.

Additionally Capture One Pro and Express support RAW files from the following digital backs/cameras:

Leaf:	Aptus 75S, Aptus 65S, Aptus 54S, AFi 7, AFi 6, AFi 5, Aptus 75, Aptus 65, Aptus 22, Aptus 17.
Mamiya:	MZD, ZD Back.
Canon:	1D C, 1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III, 1D Mark II N, 1Ds Mark II, 1D Mark II, 1Ds, 1D, 5D Mark III, 5D Mark II, 5D, 6D, 7D, 70D, 60D, 50D, 40D, 30D, 20D, 10D, 700D/Rebel T5i, 650D/Rebel T4i, 600D/Rebel T3i, 550D/Rebel T2i, 500D/Rebel T1i, 450D/Rebel XSi, 400D/Rebel XT, 350D/Rebel XT, 300D/Rebel, 100D/Rebel SL1, 1100D/Rebel T3, 1000D/Rebel XS, 100D/Rebel SL1, D60, D30, M, Pro 1, G1 X, G16, G15 (preliminary), G12, G11, G10, G9, G6, G5, G3, G2, S120, S110, S100, S95, S90.
Epson:	R-D1s, R-D1.
Fuji:	X-M1, X-Pro1, X-S1, X-E2, X-E1, XF1, S5 Pro, S3 Pro, S2 Pro, X100S, X100, X20, X10.
Konica Minolta:	Alpha 5 D / Maxxum 5 D / Dynax 5 D, Alpha 7 D / Maxxum 7 D / Dynax 7 D, A1, A2.
Leica:	M Typ 240, M Typ 220, M-Monochrom, X2, X1, X Vario, M9, M8, V-Lux 4, D-Lux 6, D-Lux 5, D-Lux 4, Digilux 3, Digital Module R for R8 and R9 cameras.
Nikon:	D4, D3s, D3X, D3, D2Xs, D2X, D2Hs, D2H, D1X, D1H, D800, D800E, D700, D610, D600, D300s, D300, D200, D100, D90, D80, D70s, D70, D60, D50, D40X, D40, D7100, D7000, D5300, D5200, D5100, D5000, D3200, D3100, D3000, DF, P330, P7800, P7700, P7100, P7000, P6000, 1 AW1, J3, J2, J1, V2, V1, S1, Coolpix A.

Olympus:	E-5, E-P5, E-PL5, E-PL3, E-PL2, E-PL1, E-PM2, E-PM1, XZ-2 iHS, XZ-1, XZ-10, E-620, E-3, E-520, E-510, E-450, E-M1, E-M5, E-P3, E-P2, E-P1, E-420, E-410, E-500, E-1, E-10, E-20, E-30, E-330, E-300, E-400, C-7070, C-8080.
Panasonic:	GX7 (preliminary), GX1, GF6 (preliminary), GF5, GF3, GF2, GF1, GH3, GH2, GH1, G6, G5, G3, G2, G1, G10, LX7, LX5, LX3, FZ72, FZ45, FZ200, FZ150, FZ100, LF1.
Pentax:	K-01, MX-1, K-5 IIs, K-5 II, K-5, K50, K-30, K-r, K20D, K10D, K7, KX, K200D, K110D, K100D Super, K100D, K2000/K-m, *istDL2, *istDL, *istD, *istDS2, *istDS, Q10, Q7, Q. Only PEF files supported.
Ricoh:	GR, GR DIGITAL IV, GR DIGITAL III, GR DIGITAL II, GR DIGITAL, GX100, GX200, GRX S10, GXR P10, GXR A16, GXR A12.
Samsung:	EX2F, NX20, NX11, NX10, NX5, NX300, NX210, NX200, NX100, NX1000.
Sony:	A7R, A7, A99, A77, A65, A58, A57, A55, A35, A33, A900, A850, A700, A580, A550, A500, A450, A380, A350, A330, A300, A230, A200, A100, RX1R, RX1, R1, RX10, RX100 II, RX100, NEX-7, NEX-6, NEX-5R, NEX-5N, NEX-5, NEX-3N, NEX-F3, NEX-C3, NEX-3.
Adobe:	CinemaDNG, Linear DNG, DNG 1.2 (raw DNG support only). The DNG support is not optimized for specific cameras.

Tethered camera support

Capture One DB has tethered support for the following digital backs/cameras:

Phase One:	IQ280, IQ260, IQ260 Achromatic, IQ180, IQ160, IQ160 Achromatic, IQ140, P65+, P40+, P45+, P30+, P21+, P25+, P20+, Achromatic+, P45, P30, P25, P21, P20, H 25, H 20, H 101, H 10, H 5, LightPhase.
Mamiya:	DM56, DM40, DM33, DM28, DM22, M31, M22, M18.
Leaf:	Credo 80, Credo 60, Credo 40, Aptus-II 12R, Aptus-II 12, Aptus-II 10R, Aptus-II 10, Aptus-II 8, Aptus-II 7, Aptus-II 6, Aptus-II 5, AFi-II 12, AFi-II 10, AFi-II 7, AFi-II 6.

Additionally Capture One Pro has tethered support for the following cameras:

Leaf:	Aptus 75S, Aptus 65S, Aptus 54S, AFi 7, AFi 6, AFi 5, Aptus 75, Aptus 65, Aptus 22, Aptus 17.
Canon:	1D X, 1D Mark IV, 1Ds Mark III, 1D Mark III, 5D Mark III, 5D Mark II, 6D, 7D, 60D, 50D, 40D, 700D/Rebel T5i, 650D/Rebel T4i, 600D/Rebel T3i, 550D/Rebel T2i, 500D/Rebel T1i, 450D/Rebel XSi, 1100D/Rebel T3, 1000D/Rebel XS, and 100D/Rebel SL1. Some older Canon models may work to some extent but no support is provided for these.
Nikon:	D4, D3s, D3x, D3, D800, D800E, D700, D600, D300, D300s, D200, D90, D80, D60, D7100, D7000, D5200, D5100, D5000, D40x, D40.

The extent of tethered support will vary depending on the back/camera connected. Live View may not be supported for all cameras.

Lens support

Capture One DB provides profiles for the following lenses:

Phase One: Digital AF 120mm f/4 Macro, Digital AF 150mm (2x Tele) f/5.6, Digital AF 150mm f/2.8 IF, Digital AF 28mm f/4.5 Aspherical, Digital AF 35mm f/3.5, Digital AF 45mm f/2.8, Digital AF 80mm f/2.8, Digital Zoom AF 75-150mm f/4.5, MF 120mm f/4 Macro, 45mm TS f/3.5.

Schneider Kreuznach: LS 110mm f/2.8, LS 150mm (2x Tele) f/7.0, LS 150mm f/3.5, LS 240mm (2x Tele) f/9.0, LS 240mm f/4.5, LS 28mm f/4.5 Aspherical, LS 55mm f/2.8, LS 75-150mm f/4-5.6, LS 80mm f/2.8.

Mamiya: Sekor 120mm f/4.0 AF Macro, Sekor 120mm f/4.0 MF Macro, Sekor AF 150mm IF D (2x Tele) f/5.6, Sekor AF 150mm f/2.8 IF D, Sekor AF 28mm f/4.5 Aspherical D, Sekor AF 80mm f/2.8 D, Sekor LS 110mm f/2.8 D, Sekor LS 150mm (2x Tele) f/7.0, Sekor LS 150mm f/3.5, Sekor LS 240mm IF (2x Tele) f/9.0, Sekor LS 240mm f/4.5, Sekor LS 55mm f/2.8 D, Sekor LS 80mm f/2.8 D, A 200mm f/2.8 APO, A 300mm f/2.8 APO, A 500mm f/4.5 APO, AF 35mm f/3.5, AF 45mm f/2.8

Carl Zeiss (Hasselblad V): Distagon T* 2.8/80 CF, Distagon T* 3.5/60 CF, Distagon T* 4/40 IF CFE, Makro-Planar T* 4/120 CFE.

Carl Zeiss (Contax 645): Apo-Makro-Planar T* 4/120, Distagon T* 2.8/45, Distagon T* 3.5/35, Distagon T* 3.5/55, Planar T* 2/80, Sonnar T* 2.8/140, Sonnar T* 4/210.

Hasselblad: HC 2.2/100, HC 2.8/80, HC 3.2/150, HC 3.5-4.5/50-110, HC 3.5/35, HC 4/120, HCD 4/28

Additionally Capture One Pro and Express provide profiles for the following lenses:

Canon:	EF 100-400mm f/4.5-5.6L IS USM, EF 100mm f/2.8L Macro IS USM, EF 135mm f/2L USM, EF 16-35mm f/2.8L II USM, EF 17-40mm f/4L USM, EF 20mm f/2.8 USM, EF 24-105mm f/4L IS USM, EF 24-70mm f/2.8L II USM, EF 24-70mm f/2.8L USM, EF 24-70mm f/4L IS USM, EF 24mm f/1.4L II USM, EF 35mm f/1.4L USM, EF 50mm f/1.2L USM, EF 50mm f/1.4 USM, EF 50mm f/1.8 II, EF 70-200mm f/2.8L IS II USM, EF 70-200mm f/2.8L IS USM, EF 70-200mm f/4 L IS USM, EF 85mm f/1.2L II USM, EF 85mm f/1.8 USM, EF-S 10-22mm f/3.5-4.5 USM, EF-S 17-55mm f/2.8 IS USM, EF-S 17-85mm f/4-5.6 IS USM, EF-S 18-55mm f/3.5-5.6 IS.
Leica:	50mm f/2 Summicron-M.
Nikon:	AF-S NIKKOR 24-85mm f/3.5-4.5G ED VR, AF NIKKOR 20mm f/2.8D, AF NIKKOR 28-105mm f/3.5-4.5 D IF, AF NIKKOR 35-70mm f/2.8D, AF Nikkor 35mm f/2D, AF Nikkor 50mm f/1.8D, AF-S DX NIKKOR 16-85mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-105mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-200mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-300mm f/3.5-5.6G ED VR, AF-S DX NIKKOR 18-55mm f/3.5-5.6G VR, AF-S DX NIKKOR 35mm f/1.8G, AF-S DX Zoom-Nikkor 17-55mm f/2.8G IF-ED, AF-S NIKKOR 14-24mm f/2.8G ED, AF-S NIKKOR 16-35mm f/4G ED VR, AF-S NIKKOR 17-35mm f/2.8 ED, AF-S NIKKOR 24-120mm f/4G ED VR, AF-S NIKKOR 24-70mm f/2.8G ED, AF-S NIKKOR 24-85mm f/3.5-4.5G ED, AF-S NIKKOR 24mm f/1.4G ED, AF-S NIKKOR 28-300mm f/3.5-5.6G ED VR, AF-S NIKKOR 28-70mm f/2.8D IF-ED, AF-S NIKKOR 35mm f/1.4G, AF-S NIKKOR 50mm f/1.4G, AF-S NIKKOR 50mm f/1.8G, AF-S NIKKOR 70-200mm f/2.8G ED VR II, AF-S NIKKOR 70-200mm f/2.8G ED VR, AF-S NIKKOR 70-200mm f/4G ED VR, AF-S NIKKOR 85mm f/1.4G, AF-S NIKKOR 85mm f/1.8G, AF-S Nikkor 58 mm 1.4G, AF-S VR Micro-Nikkor 105mm f/2.8G IF-ED, AF-S VR Zoom-Nikkor 70-300mm f/4.5-5.6G IF-ED.
Nikon 1:	NIKKOR 11-27.5mm f/3.5-5.6, NIKKOR VR 10-30mm f/3.5-5.6.
Olympus	M.ZUIKO DIGITAL 14-42mm 1:3.5-5.6 II R, M.ZUIKO DIGITAL 17mm 1:2.8 Pancake, M.ZUIKO DIGITAL 45mm 1:1.8, M.ZUIKO DIGITAL ED 12-40mm 1:2.8, M.ZUIKO DIGITAL ED 12-50mm 1:3.5-6.3 EZ, M.ZUIKO DIGITAL ED 12mm 1:2.0, M.ZUIKO DIGITAL ED 17mm 1:1.8, M.ZUIKO DIGITAL ED 60mm 1:2.8 Macro, M.ZUIKO DIGITAL ED 75-300mm 1:4.8-6.7, M.ZUIKO DIGITAL ED 75mm 1:1.8, M.ZUIKO DIGITAL ED 9-18mm 1:4.0-5.6.
Panasonic:	LUMIX G 14mm F2.5 ASPH., LUMIX G 20mm F1.7 ASPH., LUMIX G VARIO 14-42 f3.5-5.6 II ASPH. MEGA O.I.S., LUMIX G X VARIO 12-35mm F2.8 ASPH. POWER O.I.S.
Pentax:	SMC-D FA 100mm F2.8 WR, SMC-DA 15mm F4 AI Limited, SMC-DA 18-55mm F3.5-5.6 AL WR, SMC-DA 21mm F3.2 AI Limited, SMC-DA 70mm F2.4 Limited, SMC-FA 31mm F1.8 Limited, SMC-FA 43mm F1.9 Limited.

Sigma (Canon EF): 30mm F1.4 EX DC HSM, 50mm F1.4 EX DG HSM, 85mm F1.4 EX DG HSM, 105mm F2.8 EX DG OS HSM Macro, 150mm F2.8 EX DG OS HSM APO Macro, 10-20mm F3.5 EX DC HSM, 18-200mm F3.5-6.3 II DC OS HSM, 24-70mm F2.8 IF EX DG HSM, APO 50-150mm F2.8 EX DC OS HSM, APO 70-200mm F2.8 EX DG OS HSM, 120-400mm F4.5-5.6 DG APO OS HSM, 150-500mm F5-6.3 APO DG OS HSM.

Sigma (Nikon F): 70mm F2.8 EX DG Macro, 120-300mm F2.8 EX DG OS APO HSM, 70-300mm F4-5.6 DG OS.

Sigma (Sony E): 19mm f2.8 EX DN, 30mm F2.8 EX DN.

Sony A: 50mm F1.4 (SAL50F14).

Sony E: 18-55mm f/3.5-5.6 OSS (SEL1855), PZ 16-50 mm F3.5-5.6 OSS (SELP1650).

Fixed lens cameras: Canon PowerShot G1 X, Canon PowerShot G12, Canon PowerShot G15, Canon PowerShot S100/S110, Fujifilm FinePix X100, Nikon COOLPIX A, Olympus XZ 6-24mm, Olympus XZ-10, Ricoh GR, Sony Cyber-shot DSC-RX100 II, Sony Cyber-shot DSC-RX100, Sony RX1 (Carl Zeiss Sonar T* 2/35)

Recommendations and limitations

All users

- When you have disconnected a camera do not reconnect a camera until the Camera tool status changes to "No Camera Attached".

DSLR users

- For Canon 5D, 20D and 350D/Rebel XT: Set the camera's communication setting to PC connection or Normal to enable remote capture. Do not use the Print/PTP or PTP setting.
- Connecting some Canon cameras to the computer after launching Capture One might result in tethered capture being unavailable. If you experience this, connect the camera to the computer prior to launching Capture One.
- Processing/export to DNG is not supported for Fuji RAW files.
- LCC analysis not supported for Canon sRAW, mRAW and Fujifilm RAW files.

Back users

- For tethered shooting with Phase One digital backs make sure that your system can either supply at least 10W power via Firewire (more than most laptops can supply) or make sure to activate the "Force Battery" setting on the back. Use the 4.5m Phase One Firewire cable.
- For tethered shooting with Leaf and Mamiya DM digital backs make sure that your system can supply at least 12W power via Firewire (more than most laptops can supply). Use a Leaf or Mamiya Firewire cable.
- Do not open the shutter on the camera prior to opening the Live View window. Doing so will generate errors on the digital back after closing the Live View window. The recommended procedure for using Live View is to first open the Live View window, then open the shutter on the camera, use Live View as desired, when done, close the shutter on the camera, and close the Live View window.
- For Leaf Backs and Mamiya DM systems, the camera body must be selected in preferences before connecting the back.
- For Leaf Backs and Mamiya DM systems, in the case of a communication error during firmware upload, please wait 10 minutes before disconnecting the FireWire cable.
- Leaf Aptus II 8 only works with black and white live view.
- Focus controls for iXR and iXA cameras are only supported by IQ and Credo backs.

Known issues

Below you will find a list of known issues for Capture One at the time of shipping.

All users

- Browsing folders containing unsupported image files may affect application performance.
- Previews from earlier versions of Capture One may be updated. In some cases, this can affect the application performance the first time images are viewed in this version of Capture One.
- Using e.g. a US laptop keyboard it might be preferable to change some of the standard keyboard shortcuts.

Mac users

- Certain versions (e.g. 2.4) of the Logitech Control Center may conflict with the tethered capture functionality of Capture One. We strongly recommend upgrading to the latest version of the Logitech Control Center.
- It is only possible to show the Capture One toolbar in "Icon Only" mode.

Windows users

- Windows drivers are required for some older models of Canon DSLR cameras to be able to shoot tethered. These drivers are available from Canon's web site.
- If you have Bonjour 2.0.3 installed you may experience problems with Capture Pilot. Bonjour 2.0.2 (shipping with Capture One 7) and 2.0.4 (shipped with iTunes) have been tested to work with Capture Pilot. To check the version number of Bonjour, go to 'Control Panel' and select 'Programs and Features' ('Add/Remove Programs' on WinXP).
- Nikon D80 and Nikon D200 will not tether on Windows 7 and 8.

Troubleshooting and support

For troubleshooting assistance and support please refer to our on-line resources at:
<http://www.phaseone.com/support>

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